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**FORM PTO-1449**      **U.S. DEPARTMENT OF COMMERCE**  
**(REV. 2-32)**      **PATENT AND TRADEMARK OFFICE**

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## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

**Other Documents (Including Author, Title, Date, Pertinent Pages, Etc.)**

91	Unger et al., Monolithic Microfabricated Valves and Pumps by Multilayer Soft Lithography, <i>Science</i> , 288, 113,116, 2000.
91	Beebe et al., <i>Nature</i> , 404, 588,590, 2000.
91	Shuchi and Esashi, <i>J. Micromech. Microeng.</i> , 4, 157-171, 1994.

**EXAMINER**

**ER** Jewel K Thompson

**DATE CONSIDERED**

4 / 8 / 03

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not considered. Include copy of this form with next communication to applicant.